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## Datasheet for ABIN7318945

### ACPP Protein (His tag)

#### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 50 µg                                       |
| Target:                       | ACPP  |
| Origin:                       | Human                                       |
| Source:                       | Human Cells                                 |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This ACPP protein is labelled with His tag. |

#### Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human Prostatic Acid Phosphatase/ACPP Protein (His Tag)   |
| Sequence:        | Lys33-Asp386  |
| Characteristics: | Recombinant Human Prostatic Acid Phosphatase is produced by our Mammalian expression system and the target gene encoding Lys33-Asp386 is expressed with a 6His tag at the C-terminus. |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.  |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method.  |

#### Target Details

|                   |   |
|-------------------|---|
| Target:           | ACPP  |
| Alternative Name: | Prostatic Acid Phosphatase/ACPP ( <a href="#">ACPP Products</a> )   |
| Background:       | Background: Prostatic Acid Phosphatase (PAP) belongs to the histidine acid phosphatase family. PAP can catalyze the hydrolysis of member of phosphate monoesters, including |

## Target Details

phosphorylated protein. PAP can high expression in metastasized prostate cancer, moderately expression level in bone diseases, blood cell disease, and the concentration of PAP is used to monitor and assess the proession of prostate cancer. The optimum PH of PAP is from 4 to 6, its activity can be inhibited by L(+)-tartrate.

Synonym: Prostatic Acid Phosphatase, PAP, 5'-Nucleotidase, 5'-NT, Ecto-5'-Nucleotidase, Thiamine Monophosphatase, TMPase, ACP, ACP-3, ACP3

|                   |          |
|-------------------|----------|
| Molecular Weight: | 42.0 kDa |
|-------------------|----------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">P15309</a> |
|----------|------------------------|

|           |   |
|-----------|---|
| Pathways: | <a href="#">Synaptic Membrane</a> , <a href="#">Ribonucleoside Biosynthetic Process</a> |
|-----------|---|

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |                |
|---------|----------------|
| Format: | Frozen, Liquid |
|---------|----------------|

|         |   |
|---------|---|
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5. |
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|          |        |
|----------|--------|
| Storage: | -20 °C |
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|                  |  |
|------------------|--|
| Storage Comment: | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
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